10 bonnes raisons de choisir les serveurs et les solutions de stockage IBM Express pour votre entreprise

1. Facile à installer. Des fonctions plug-and-play et des options d'installation automatiques vous permettent de tirer immédiatement parti de l'ensemble de la solution Express.

2. Solutions personnalisées. Tous les produits des gammes Express sont conçus pour répondre aux besoins spécifiques des entreprises de taille moyenne. Il vous suffit de faire appel à notre vaste réseau de partenaires commerciaux IBM pour les acquérir à un prix particulièrement compétitif.

3. Facile à gérer. Cela signifie moins d'administrateurs pour surveiller vos systèmes et des tâches plus simples à exécuter. Et n'oubliez pas que le service d'assistance technique IBM, dont l'efficacité est unanimement reconnue, est à votre disposition 24 heures sur 24, 7 jours sur 7.

4. Intégration complète. La conception des produits IBM s'appuie sur des normes ouvertes afin de permettre une communication parfaite entre les serveurs, les imprimantes et les unités de stockage.

5. Evolutivité et souplesse maximales. Les gammes Express ne se contentent pas de répondre à vos besoins actuels. Vous pouvez les faire évoluer facilement en effectuant de simples mises à jour pour rentabiliser au mieux l'ensemble de vos investissements.

6. Prise en compte de votre budget. Echelonnez vos paiements en bénéficiant de solutions de financement souples et rentables, facilement accessibles et spécialement adaptées aux entreprises de taille moyenne.

7. Recherche de solutions novatrices. La gamme de produits Express vous offre un choix plus large. De la configuration matérielle à la configuration logicielle, des services aux solutions de financement, vous bénéficiez d'une large gamme d'offres IBM qui évoluent constamment en fonction de vos besoins.

8. Plus de 400 applications d'éditeurs de logiciels indépendants (US). Avec le large choix d'applications proposé, l'intégration des offres Express dans vos infrastructures existantes sera un jeu d'enfant.

9. Offre, configuration et taille adaptées à l'activité de votre entreprise. Les gammes de produits Express s'appuient sur un ensemble de configurations matérielles et logicielles communes aux infrastructures recherchées par un grand nombre d'entreprises de taille moyenne.

10. Mieux répondre aux clients, fournisseurs et partenaires. La gamme Express peut vous donner les outils dont vous avez besoin pour devancer vos concurrents sur le marché à la demande.

Retrouver le Tarif Express Seller en ligne :
http://www-03.ibm.com/systems/fr/tarifibm/index.html

IBM System x3100 M4 (Type 2582)	
Processor	Intel® Xeon™ E3-1200 series (Quad-core) up to 3.5 GHz/8 MB/1333 MHz Pentium™ (Dual-core) up to 3.0 GHz/3 MB/1333 MHz and low-cost Celeron
Form Factor	4U mini tower/ tower to rack
Scalability / Chipset	Intel C202
Memory Cache	Up to 8 MB L3 for Intel Xeon E3-1200 series processors. Up to 3 MB L3 for Intel Core i3 2100 series processors.
Memory (Std/Max)	32GB / 4 DIMMs DDR3 server-class ECC
HDD (Std/Max)	DDR-3 ECC server-class memory, up to 1333 MHz; max 32 GB UDIMM support with 2GB, 4GB and 8GB UDIMMs
HDD Controller	• 4 x 3.5'' SATA SS HDD • 2 x SATA ODD or 1 x Tape Drive (Optional, fitted in the 5.25" optical bay)
Bay 3.5''	Up to 12 TB via 4 × 3.5" simple-swap SATA HDDs
Network Interface	Integrated dual Gigabit Ethernet
PCI Slots	4x PCI Express slots: One PCI-E x8 Gen 2 One PCI-E x16 Gen 2 (x8 wired) One PCI-E x4 Gen 2 One PCI-E x1 Gen2
Tape Drive Bays	One 5.25" HH bay, support for DDS, RDX, or LTO
Media / Diskette drive	One 5.25" HH bay, support for DVD-ROM or Multiburner
Ports	2x USB 2.0 ports on front / 4x USB 2.0 / 1x DB-15 video / 1x DB-9 serial 2x RJ-45 Gigabit Ethernet network ports (one is dedicated, one is shared with IMM) on rear. 1x internal USB port for internal USB tape drive.
Keyboard/Mouse	Optional
Graphics	Matrox G200eV with 16 MB memory integrated into the IMM. Maximum resolution is 1600x1200 at 85 Hz with 64 K colors.
Power Supply (Std/Max)	350 W fixed or 80-PLUS® certified 300 W fixed (model dependent)
Cooling System	One speed-controlled non-redundant fan.
Support	IBM HelpCenter
Warranty	1-year customer replaceable unit and on site limited warranty
System Management	IMM v2, shared port
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml

Part Number	*Description*	*List Price*
	System x3100 M4 Express Models (3 year Warranty)	
2582K5G	1x Xeon E3-1220 4C, 3.1GHz 8MB/ 1333 DDR3 (80W), 2GB (1x 2GB (1Rx8, 1.5V No Chipkill) UDIMM), 1x 500GB 7K2 3.5" SS SATA(4), C100, DVD, 1x350W	680,00 €
2582K6G	1x Xeon E3-1230 4C 3.2GHz 8MB/ 1333 DDR3 (80W), 4GB (1x 4GB (2Rx8, 1.5V No Chipkill) UDIMM), 1x 500GB 7K2 3.5" SS SATA(4), C100, Multiburner, 1	723,00 €
2582K7G	1x Pentium G850 2.9GHz 2C 3MB / 1333DDR3 (65W), 2GB (1x 2GB (1Rx8, 1.5V No Chipkill) UDIMM), 1x 500GB 7K2 3.5" SS SATA(4), C100, DVD, 1x350W	564,00 €

Part Number	*Description*	*List Price*
System x3100 M4 Options (1 year Warranty)		
	Memory - Express Seller	
90Y4566	2GB (1x2GB, 1Rx8, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM	63,00
49Y3735	4GB (1x4GB, Dual Rankx8)PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM	80,00
	HDD Express Seller	
41Y8288	250GB 7200 SATA 3.5" Simple-Swap HDD	111,00
41Y8218	500GB Simple-Swap SATA II	169,00
41Y8302	1TB 7200 SATA 3.5" Simple Swap HDD	261,00
41Y8284	IBM 2TB 7.2K NL SATA 3.5" SS HDD	402,00
	Lan, Fibre Channel and iSCSI Adapters - Express Seller	
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver	561,00
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter	142,00
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)	437,00
90Y4578	Intel Quad Port Ethernet Server Adapter	347,00
49Y3758	Intel Dual Port Ethernet Server Adapter	119,00
	H BA - Express Seler	
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x	785,00
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x	1300,00
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x	785,00
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x	1300,00
	Raid Adapters - Express Seller	
49Y3720	**Serve RAID M5014 SAS/SATA Controller (Farmington Lite)**	234,00
49Y3721	**ServeRAID M1000 Series Advance Feature Key**	93,00
90Y4556	**ServeRAID M1015 SAS/SATA Controller (Bertram)**	115,00
90Y4579	**IBM 6Gb SAS HBA (Ironville)**	160,00
	Tape Drive- Express Seller	
90Y4586	IBM 80/160GB DDS Gen 6 Tape Drive	598,00
90Y4588	IBM HH LTO Gen 4 SAS Tape Drive	1760,00
	Other - Express Seller	
81Y6404	Half-High SATA Multi-Burner (NEW ODD option of tower)	88,00
69Y5182	Tower to rack kit for IBM System x 4U tower	178,00
94Y6237	**Half High Multi-burner optical drive**	66,00
90Y4583	IBM Virtual Media Conversion Option Gen2 (VCO2)	104,00

IBM System x3200 M3 (Type 7328, 3year warranty)	
Processor	Intel® Xeon™ 3400 Series FSB 1333MHz, 8MB L2, Quad-core
Form Factor	Tower (optional 5U rack conversion kit for seven bays models only)
Scalability / Chipset	Single-socket / Intel 3420
Memory (Std/Max)	2GB (2x1GB) DDR3 1333MHz Low Power RDIMM / 6 DIMMs max
	Max is 16GB UDIMM and 32GB RDIMM
HDD (Std/Max)	0GB SAS/SATA Hot-swap 3,5'' /3TB SATA max or 0GB SAS/SATA Hot-swap 3.5"/4TB SATA ou 1.8TB SAS max. or 0GB SAS Hot-Swap 2.5'' (SFF)/4TB SAS max. (via CTO only when available)
HDD Controller	SAS or SATA. RAID 0/1 standard (SR-BR10il v2) on Hot-Swap models RAID 5 optional on all models.
Bay 3.5'' / Bay 2.5''	4 Simple-swap or 4 Hot-swap 3.5"/ 4 Hot-swap 2.5' (SFF) via CTO when available
Bay 5.25''	2 total / 1 available
Network Interface	Integrated Dual Gbit Ethernet. Single GbE shared to Systems Management
PCI Slots	6 / 6 or 5 available (model dependant). Two PCI-E x8 Gen2, two PCI-E x4
	(of which one dedicated to ServeRAID-BR10il v2 adapter), two PCI 32bit/33MHz 5v
Media / Diskette Drive	DVD SATA (Std) / Optional USB
Ports	1 serial, 7 USB (2 front, 4 rear, 1 internal), 1 video, 2 RJ45
Keyboard/Mouse/Power	Optional
Graphics	Matrox G200eV graphic controller integrated in IMM. DDR2 128MB SDRAM memory
Power Supply	1x400w fixed or 2x430w Hot-swap (model dependant)
Support	IBM HelpCenter
Warranty	Three year limited warranty
System Management	IBM Director™. ServerGuide™. IMM (Integrated Management Module). PFA. TPM 1.2
	IPMI 2.0. Optional Virtual media key for remote presence
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml

Part Number	*Description*	*List Price*
	System x3200 M3 Standard Models (3 year Warranty)	
	Tower (optional 5U rack) Models	
7328EAG	**X3430 2.4GHz, 1x 2gb, O/B HS SAS/SATA 3.5", BR10il v2, multiburner, 1x 400W fixed PS**	**902,00**
7328K3G	**Intel® Xeon™ x3430 2.40GHz 8MB QC 2x 2GB, O/B 3.5" HS SAS, M1015, 1x redundant PS, multiburner**	**1160,00**

SR-BR10i = ServeRAID-BR10i controller (RAID levels 0, 1, 1E)
SC = Single-Core DC = Dual-Core QC = Quad-Core
SFF = Small Form Factor (2.5'' Hot-swap drive format)

Part Number	*Description*	*List Price*
	System x3200 M3 Options (1 year Warranty)	
	Memory kits	
49Y3734	2GB (1x2GB) Dual Rank x8) PC3-10600 CL9 ECC DDR3 1333MHz Low Power UDIMM	61,00
49Y3735	4GB (1x4GB) Dual Rank x8) PC3-10600 CL9 ECC DDR3 1333MHz Low Power UDIMM	80,00
49Y3757	4GB (1x4GB) Dual Rank PC3-10600 CL9 ECC DDR3 1333MHz Low Power VLP RDIMM	80,00
90Y4574	2GB (1x2GB, 1Rx8, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	70,00
	Hard Disk Drives	
44W2201	IBM 146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	259,00
44W2193	IBM 300GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	258,00
49Y2078	IBM 600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	489,00
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	230,00
49Y3727	IBM 300GB 15K 6Gbps SAS 3.5" Hot-Swap HDD	338,00
49Y3728	IBM 450GB 15K 6Gbps SAS 3.5-inch Hot-Swap HDD	415,00
49Y3729	IBM 600GB 15K 6Gbps SAS 3.5" Hot-Swap HDD	428,00
49Y1884	IBM 2TB 7.2K 6Gbps NL SAS 3.5" HS HDD	515,00
41Y8288	250GB 7200 SATA 3.5" Simple-Swap HDD	111,00
41Y8292	250GB 7200 SATA 3.5" Hot-Swap HDD	111,00
41Y8226	500GB Hot-Swap SATA	169,00
41Y8218	500GB Simple-Swap SATA II	169,00
41Y8236	1TB Hot-Swap SATA II	261,00
41Y8284	IBM 2TB 7.2K NL SATA 3.5" SS HDD	402,00
41Y8280	IBM 2TB 7.2K NL SATA 3.5" HS HDD	380,00
	Lan & Fibre Channel Adapters	
49Y3758	Intel Dual Port Ethernet Server Adapter	119,00
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver	561,00
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter	142,00
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)	437,00
90Y4578	Intel Quad Port Ethernet Server Adapter	347,00
	HDD & Raid Adapters	
49Y3719	ServeRAID M5015 SAS/SATA Controller	319,00
49Y3720	ServeRAID M5014 SAS/SATA Controller	234,00
49Y3721	ServeRAID M1000 Series Advance Feature Key	93,00
49Y3722	ServeRAID M5000 Series Advance Feature Key	141,00
90Y4556	ServeRAID M1015 SAS/SATA Controller (Bertram)	115,00
90Y4557	ServeRAID M5000 Series Battery kit (M5000 Battery)	89,00
90Y4579	IBM 6Gb SAS HBA (Ironville)	160,00
	HBA	
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x	785,00
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x	1300,00
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x	785,00
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x	1300,00
	Tape	
90Y4586	IBM 80/160GB DDS Gen 6 Tape Drive	598,00
90Y4588	IBM HH LTO Gen 4 SAS Tape Drive	1760,00
	Rack & Power	
9307SRX	42U S2 rack	1170,00
1754E1X	IBM Local 1x8 Console Manager (LCM8	546,00
1723E7X	IBM 1U 17" Flat Panel Console Kit	1040,00
90Y4583	IBM Virtual Media Conversion Option Gen2 (VCO2)	104,00
49Y3710	DPI Universal Rack PDU w/ CEE7-VII Europe LC	161,00
9361EPX	42U 1200mm Deep Static rack	1440,00
90Y4584	IBM 0U 24 C13 32A PDU	267,00
5396E2X	IBM 1500VA LCD Tower UPS (230V)	419,00
	Others	
49Y3724	IBM Virtual Media Key for Entry Systems	220,00
94Y6237	Half High Multi-burner optical drive	66,00
6630E10	Juniper Networks EX2200 24port Ethernet Switch	879,00
0446E13	IBM BNT Rack switch G8000R	3780,00

IBM System x3400 M3 (Type 7379 - 3year warranty)	
Processor	Four-core Intel® Xeon™ E5640 2.66GHz with 12 MB L3 Cache per processor socket standard Six-core Intel® Xeon™ E5670 2.93GHz with 12 MB L3 Cache per processor socket (configure to order only)
Form Factor	Tower / 5U (rack-mountable)
Scalability / Chipset	Dual Socket / Intel 5500
L3 Cache	4 or 12MB std and max / at processor speed
Memory (Std/Max)	2, 4 or 8GB std / 64GB max per processor (using 8GB DIMMs)
HDD (Std/Max)	8x 2.5" SFF SAS hot swap disk bays / 4.0TB Max 4x 3.5-inch SAS/SATA simple/hot swap disk bays / 8.0TB Max 16x 2.5" SFF SAS hot swap disk bays or 8x 3.5-inch SAS/SATA simple/hot swap disk bays via CTO
HDD Controller	Integrated SATA controller in ICH10 / 22x, 32x / RAID optional IBM ServeRAID BR10il SAS/SATA controller / 24x, 34x, 42x, 52x / on riser card / PCI-Express / supports RAID-0/1 / IBM ServeRAID M1015 SAS/SATA controller / 54x, 62x, 72x / on riser card / PCI-
Bay 2.5"	8 or 16x 2.5" hot-swap SAS HDDs.
Bay 3.5"	Standard 4x 3.5" simple-swap Serial ATA (SATA) or 3.5" hot-swap SATA/Serial Attached SCSI (SAS) hard disk drives (HDDs) Maximum 8x 3.5" hot-swap SAS/SATA HDDs (model dependent).
Network Interface	Integrated dual Gigabit Ethernet
PCI Slots	6/6 (1x PCI-E Gen2 x16 / 4x PCI-E Gen2 x8) one reserved for SAS controller / (1x PCI-E Gen1 x8 / 1x 32-bit 33MHz PCI 2.2 slot) **optional to add 2 - PCI-X or 1 PCI-E x8 slots via extender card
Media / Diskette Drive	16X 6 DVD-ROM / SATA / USB diskette only
Ports	**Front**: 2x USB (2.0) / **Rear**: 4x USB (2.0), serial (9-pin), graphics (DB-15), 3x RJ-45 (2x enet, 1x sys mgmt)
Keyboard/Mouse/Power	Optional in EMEA and AG / USB only
Graphics	SVGA / Matrox® G200e integrated in IMM on systemboard / 16MB DDR2-250MHz SDRAM std/max / 32-bit 33MHz PCI 2.2
Power Supply	920 W (1/2) or 670 W (1/1) (model dependent)
Cooling System	Calibrated Vectored Cooling™
Support	IBM HelpCenter
Warranty	1-year customer replaceable unit and onsite limited warranty
System Management	Integrated System x management processor
Operating Systems	**ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml**

Part Number	*Description*	*List Price*
	System x3400 M3 Standard Models (3 year Warranty)	
	Tower (optional 5U rack) Models	
7379K4G	**E5620, 1x 4gb, O/B 2.5" SAS (8), M1015 + RAID 5, 2x 920W HS PS, multiburner**	**1430,00**
7379KFG	**1x E5606 Westmere 4C 2.13GHz 8MB (80W), 4GB (1x 4GB (2Gb 1Rx4, 1.35V ChipKill) RDIMM), O/B 3.5" HS SAS/SATA(4), M1015, Multiburner,**	**1030,00**
7379KKG	**1x E5607 Westmere 4C 2.26GHz 8MB (80W), 4GB (1x 4GB (2Gb 1Rx4, 1.35V ChipKill) RDIMM), O/B 2.5" HS SAS/SATA(8), M5014(256MB)no ba**	**1370,00**
7379KVG	**1x E5620 Westmere 4C 2.40GHz 12MB (80W), 12GB (3x 4GB (2Gb 1Rx4, 1.35V Chipkill) 1333MHz LP RDIMM), 2x 300GB 10K 2.5" HS SAS(8), M**	**1910,00**
7379KXG	**1x E5607 Westmere 4C 2.26GHz 8MB (80W), 4GB (1x 4GB (1Rx4, 1.35V 1333MHz) RDIMM), 2x 300GB 10K 2.5" HS SAS(8), M1015+Adv Feature**	**1530,00**
7379KZG	**1x E5620 Westmere 4C 2.40GHz 12MB (80W), 4GB (1x 4GB (1Rx4, 1.35V 1333MHz) RDIMM), 2x300GB 10K 2.5" HS SAS(8), M5014(no battery),**	**1640,00**

SR-BR10i = ServeRAID-BR10i controller (RAID levels 0, 1, 1E)
SC = Single-Core DC = Dual-Core QC = Quad-Core
SFF = Small Form Factor (2.5" Hot-swap drive format)

Part Number	*Description*	*List Price*
	System x3400 M3 Options (3 year Warranty)	
	Processors	
49Y3739	Intel® Xeon® Processor E5620 4C 2.40GHz 12MB Cache 1066MHz 80w	528,00
49Y3764	Intel® Xeon® Processor E5603 4C 1.60GHz 4MB Cache 1066MHz 80w	295,00
49Y3765	Intel® Xeon® Processor E5606 4C 2.13GHz 8MB Cache 1066MHz 80w	338,00
49Y3768	Intel® Xeon® Processor E5607 4C 2.26GHz 8MB Cache 1066MHz 80w	388,00
	Memory Kits	
49Y3734	2GB (1x2GB, Dual Rankx8)PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM	61,00
49Y3745	2GB (1x2GB, 1Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	63,00
49Y3746	4GB (1x4GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	105,00
49Y3747	8GB (1x8GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	131,00
49Y3777	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80,00
49Y3778	8GB (1x8GB, 2Rx4, 1.35V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	131,00
90Y4550	2GB (2Gb, 1Rx8, 1.35V) PC3L-10600R ECC LP RDIMM	66,00
90Y4551	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80,00
90Y4574	2GB (1x2GB, 1Rx8, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	70,00
	Hard disk drives	
44W2201	IBM 146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	259,00
44W2193	IBM 300GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	258,00
49Y2078	IBM 600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	489,00
49Y3726	IBM 500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD	271,00
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	230,00
49Y3729	IBM 600GB 15K 6Gbps SAS 3.5" Hot-Swap HDD	428,00
49Y1884	IBM 2TB 7.2K 6Gbps NL SAS 3.5" HS HDD	515,00
41Y8288	250GB 7200 SATA 3.5" Simple-Swap HDD	111,00
41Y8292	250GB 7200 SATA 3.5" Hot-Swap HDD	111,00
41Y8226	500GB Hot-Swap SATA	169,00
41Y8218	500GB Simple-Swap SATA II	169,00
41Y8236	1TB Hot-Swap SATA II	261,00
41Y8284	IBM 2TB 7.2K NL SATA 3.5" SS HDD	402,00
41Y8280	IBM 2TB 7.2K NL SATA 3.5" HS HDD	380,00
	Lan & Fibre channel adapters	
43W8353	QLogic 4Gb FC Single-Port PCIe HBA	673,00
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x	785,00
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x	1300,00
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x	785,00
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x	1300,00
	Network Controllers	
44W3278	NETXTREME II 1000 EXPRESS ETHERNET ADAPTER	66,00
49Y3758	Intel Dual Port Ethernet Server Adapter	119,00
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver	561,00
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter	142,00
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)	437,00
90Y4578	Intel Quad Port Ethernet Server Adapter	347,00
	RAID	
49Y3719	ServeRAID M5015 SAS/SATA Controller (Farmington)	319,00
49Y3720	Serve RAID M5014 SAS/SATA Controller (Farmington Lite)	234,00
49Y3721	ServeRAID M1000 Series Advance Feature Key	93,00
49Y3722	ServeRAID M5000 Series Advance Feature Key	141,00
90Y4556	ServeRAID M1015 SAS/SATA Controller (Bertram)	115,00
90Y4557	ServeRAID M5000 Series Battery kit (M5000 Battery)	89,00
90Y4579	IBM 6Gb SAS HBA (Ironville)	160,00
	Tape Drives	
90Y4586	IBM 80/160GB DDS Gen 6 Tape Drive	598,00
90Y4588	IBM HH LTO Gen 4 SAS Tape Drive	1760,00
	Other	
49Y3706	Redundant Power Supply x3400M2/M3, 3500M2/M3	194,00
49Y3748	Redundant 920W Power Supply x3400 M3 power supply	123,00
9307SRX	42U S2 rack	1170,00
1754E1X	IBM Local 1x8 Console Manager (LCM8	546,00
9361EPX	42U 1200mm Deep Static rack	1440,00
90Y4583	IBM Virtual Media Conversion Option Gen2 (VCO2)	104,00
5396E2X	IBM 1500VA LCD Tower UPS (230V)	419,00
90Y4585	IBM LCD UPS Network Management Card	189,00

IBM System x3500 M4 (Type 7383)	
Processor	Up to two Intel Xeon processor E5-2600 product family CPUs with eight cores (up to 2.9 GHz) or six cores (up to 2.9 GHz) or quad-cores (up to 3.3 GHz). Two QPI links up to 8.0 GT/s each. Up to 1600 MHz memory speed. Up to 20 MB L3 cache.
Form Factor	Tower or 5U Rack.
Scalability / Chipset	Intel C602J.
Memory Cache	Up to 24 DDR3 DIMM sockets (12 DIMMs per processor). RDIMMs, UDIMMs, and LRDIMMs are supported, but memory types cannot be intermixed.
Memory (Std/Max)	With LRDIMMs: Up to 768 GB with 24x 32 GB LRDIMMs and two processors. With RDIMMs: Up to 384 GB with 24x 16 GB RDIMMs and two processors. With UDIMMs: Up to 32 GB with 16x 2 GB UDIMMs and two processors.
HDD (Std/Max)	28.8 TB with 900 GB 2.5" SAS HDDs, or 32 TB with 1 TB 2.5" SATA HDDs, or 24 TB with 3 TB 3.5" SATA HDDs. Intermix of SAS/SATA is supported.
HDD Controller	RAID 0, 1, 10 with M1115 or ServeRAID M5110. Optional upgrade to RAID 5, 50 available for M1115. Optional upgrades to RAID 5, 50 are available for M5110 (zero-cache, 512 MB battery-backed cache, 512 MB or 1 GB flash-backed cache). Optional upgrade to RAID 6, 60 available for M5110
Tape Drives Bay	Two half-height 5.25" bays for optical or tape drives. Support for one RDX or DDS internal USB tape drive. Supports up to two LTO internal SAS tape drives.
Optical Drives Bay	Two half-height 5.25" bays for optical or tape drives. Supports DVD-ROM or Multiburner.
Network Interface	Four integrated Gigabit Ethernet 1000BASE-T ports (RJ-45) based on Intel I350AM4 Quad Port GbE LAN Controller chip.
PCI Slots	Eight slots with two processors and six slots when one CPU is installed. All slots are PCIe 3.0 slots except Slot 1, which is a Gen 2 slot:
Ports	Two USB 2.0s on front. Four USB 2.0s, one DB-15 video, one DB-9 serial, one RJ-45 systems management, four RJ-45 GbE network ports on rear. Two internal USB ports (for embedded hypervisor and internal tape drive).
Keyboard/Mouse/Power	Optional
Graphics	Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors.
Power Supply	Up to two redundant hot-swap 750 W ac or 900 W ac power supplies (80 PLUS Platinum certification).
Cooling System	IBM Calibrated Vectored Cooling with up to six simple swap fans (two fans shipped standard on single processor models and three fans shipped on dual processor models) with optional N+N redundancy available .
Support	IBM HelpCenter
Warranty	3-year customer-replaceable unit and onsite limited warranty with 9x5/NBD.
System Management	UEFI, IBM Integrated Management Module II (IMM2), Predictive Failure Analysis, Light Path Diagnostics, Automatic Server Restart, IBM Systems Director and IBM Systems Director Active Energy Manager, IBM ServerGuide. Optional IMM Advanced Upgrade via Feature on Demand (FoD) for remote presence (graphics, keyboard and mouse, virtual media).
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml

Part Number	*Description*	*List Price*
	System x3500 M4 Standard Models	
	System x3500 M4 Express Models (3 year Warranty)	
7383E1G	**Intel® Xeon™ E5-2603 1.8GHz 10M 4C 1066MHz (80W), 4GB (1x 4GB (1Rx4, 1.35V) 1333MHz LP RDIMM), O/B 3.5" HS SAS/SATA(8), M1115, Mu**	1 330,00 €
7383E2G	**Intel® Xeon™ E5-2603 1.8GHz 10M 4C 1066MHz (80W), 4GB (1x 4GB (1Rx4, 1.35V) 1333MHz LP RDIMM), O/B 2.5" HS SAS/SATA(8), M1115+RA**	1 240,00 €
7383E3G	**Intel® Xeon™ E5-2609 2.4GHz 10M 4C 1066MHz (80W), 4GB (1x 4GB (1Rx4, 1.35V) 1333MHz LP RDIMM), 2x300GB 10K 2.5" HS SAS(8), M5110(**	1 940,00 €
7383E4G	**Intel® Xeon™ E5-2620 2.0GHz 15M 6C 1333MHz (95W), 8GB (1x 8GB (2Rx4, 1.35V) 1333MHz LP RDIMM), O/B 2.5" HS SAS/SATA(8), M5110(512**	1 680,00 €
7383E5G	**Intel® Xeon™ E5-2620 2.0GHz 15M 6C 1333MHz (95W), 8GB (1x 8GB (2Rx4, 1.35V) 1333MHz LP RDIMM), O/B 3.5" HS SAS/SATA(8), M5110(512**	1 860,00 €
7383E6G	**Intel® Xeon™ E5-2620 2.0GHz 15M 6C 1333MHz (95W), 8GB (1x 8GB (2Rx4 1.35V) 1333MHz LP RDIMM), 2x300GB 10K 2.5" HS SAS(8), M5110(5**	2 270,00 €

Part Number	*Description*	*List Price*
	System x3500 M4 Options	
	Processors - Express Seller	
90Y4590	Intel® Xeon® Processor E5-2603 4C 1.8GHz 10MB Cache 1066MHz 80W	558,00 €
90Y4591	Intel® Xeon® Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	670,00 €
90Y4592	Intel® Xeon® Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	813,00 €
	Memory Kits - Express Seller	
00D7089	16GB (1x16GB, 4Rx4, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz Chipkill LP RDIMM	374,00 €
49Y3777	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80,00 €
49Y3778	8GB (1x8GB, 2Rx4, 1.35V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	131,00 €
90Y4550	2GB (2Gb, 1Rx8, 1.35V) PC3L-10600R ECC LP RDIMM	66,00 €
90Y4551	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80,00 €
	Hard Disk Drives - Express Seller	
81Y9935	IBM 300GB 15K 6Gbps SAS 2.5" SFF HS HDD	487,00 €
81Y9927	IBM 900GB 10K 6Gbps SAS 2.5" HS HDD	622,00 €
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	230,00 €
81Y9848	IBM 1TB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	436,00 €
90Y8858	IBM 1TB 7.2K 6Gbps NL SAS 3.5" PI HDD	309,00 €
90Y8830	IBM 500GB 7.2K 6Gbps NL SATA 3.5" HDD	164,00 €
90Y8826	IBM 1TB 7.2K 6Gbps NL SATA 3.5" HDD	253,00 €
90Y8822	IBM 2TB 7.2K 6Gbps NL SATA 3.5" HDD	403,00 €
	LAN Adapter	
44W3278	NETXTREME II 1000 EXPRESS ETHERNET ADAPTER	66,00 €
49Y3758	Intel Dual Port Ethernet Server Adapter	119,00 €
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver	561,00 €
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter	142,00 €
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)	437,00 €
90Y4578	Intel Quad Port Ethernet Server Adapter	347,00 €
	RAID Adapters - Express Seller	
90Y4579	IBM 6Gb SAS HBA (Ironville)	160,00 €
00D7081	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	114,00 €
00D7083	ServeRAID M5100 Series RAID 6 Upgrade	151,00 €
00D7084	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	325,00 €
00D7085	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	151,00 €
	HBA	
43W8353	QLogic 4Gb FC Single-Port PCIe HBA	673,00 €
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x	785,00 €
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x	1 300,00 €
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x	785,00 €
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x	1 300,00 €
	Tape Drives	
90Y4586	IBM 80/160GB DDS Gen 6 Tape Drive	598,00 €
90Y4588	IBM HH LTO Gen 4 SAS Tape Drive	1 760,00 €
	Other	
00D7086	IBM System x 750W High Efficency Platinum AC Power Supply	203,00 €
94Y6237	Half High Multi-burner optical drive	66,00 €
6630E10	Juniper Networks EX2200 24port Ethernet Switch	879,00 €
0446E13	IBM BNT Rack switch G8000R	3 780,00 €
9307SRX	42U S2 rack	1 170,00 €
1754E1X	IBM Local 1x8 Console Manager (LCM8	546,00 €
9361EPX	42U 1200mm Deep Static rack	1 440,00 €
90Y4585	IBM LCD UPS Network Management Card	189,00 €

IBM System x3250 M3 (Type 4251 3year warranty)	
Processor	Intel® Xeon™ 3400 Series FSB 1333MHz, 8MB L2, Quad-Core Intel® Celeron™ G1101, 2.26GHz, 2MB L2Cache, Dual Core Intel® Core™ i3-530, 2.92GHz, 4MB L2Cache, Dual Core
Form Factor	Rack 1U
Scalability	Single socket
Chip-Set	Intel 3420
Memory (Std)	2GB (2x1GB) DDR3 1333MHz Low Power RDIMM / 6 DIMMs max.
Memory (Max)	16GB UDIMM and 32GB RDIMM
HDD (Std/Max)	0GB SATA Simple-swap 3.5'' (2bays)/1.5TB SATA max. 0GB SAS/SATA Hot-swap 3.5'' (2bays)/ 2TB SATA or 900GB SAS max. 0GB SAS Hot-swap 2.5'' (4 bays SFF) / 2TB SAS max.
HDD Controller	SAS/SATA (RAID 0/1 Standard on Hot-swap models) Optional RAID5 for Hot-swap 2.5'' SFF models
Bay 2.5'' (SFF)	4 Hot-swap bays on SFF model
Bay 3.5''	2 on SATA Simple-swap models or SAS/SATA Hot-swap (3.5'') models
Bay 5.25''	1 total / 1 available
Network Interface	Integrated Dual Gigabit Ethernet. Single Gbe shared for System Management
PCI Slots	2 total (two PCI-E x8 Gen2 std or optional 1x PCI-E x8 and 1 PCI-X) plus one PCI-E x4 slot dedicated to ServeRAID-BR10il v2 adapter only.
Media / Diskette Drive	Optional DVD or Multiburner / none
Ports	1 serial, 7 USB (2 front, 4 rear, 1 internal), 1 video, 2 RJ45
Keyboard / Mouse	Optional / Optional
Power cable	Standard C13 to PDU line cord (optional C13 country specific line cord)
Graphics	Matrox G200 Video Core with 128MB memory
Power Supply	1 x 351W fixed
Cooling System	Calibrated Vectored Cooling
Support	IBM HelpCenter
Warranty	Three year on-site limited warranty. Optional ServicePac Upgrade
System Management	IBM Director™, ServerGuide™, IMM with IPMI 2.0 and SOL, TPM 1.2 Diagnostic LEDs. Optional virtual media key for remote presence
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml

Part Number	*Description*	*List Price*
	System x3250 M3 Models (3 year Warranty)	
	Rack 1U	
4252EAG	**Intel® Xeon™ X3430 2.40GHz, 8MB L3 Cache, Quad Core, 1x 2GB, O/B SAS/SATA 3.5", BR10il v2, multiburne**	881,00
4252EBG	**Intel® Xeon™ X3440 2.53GHz, 8MB L3 Cache, Quad Core, 1x 2GB, 2x 500GB SATA 3.5" HS, BR10il v2, multib**	1170,00
4252K3G	**Intel® Xeon™ X3430 2.40GHz, 8MB L3 Cache, Quad Core, 2x 2GB, O/B 3.5" HS SAS, M1015, 1x fixed PS, mul**	852,00

SC = Single-Core DC = Dual-Core QC = Quad-Core
SFF = Small Form Factor (2.5'' Hot-swap drive format)

Part Number	*Description*	*List Price*
	System x3200 M3 Options (1 year Warranty)	
	Memory kits	
49Y3734	2GB (1x2GB) Dual Rank x8) PC3-10600 CL9 ECC DDR3 1333MHz Low Power UDIMM	61,00
49Y3735	4GB (1x4GB) Dual Rank x8) PC3-10600 CL9 ECC DDR3 1333MHz Low Power UDIMM	80,00
49Y3757	4GB (1x4GB) Dual Rank PC3-10600 CL9 ECC DDR3 1333MHz Low Power VLP RDIMM	80,00
90Y4574	2GB (1x2GB, 1Rx8, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	70,00
	Hard Disk Drives	
44W2201	IBM 146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	259,00
44W2193	IBM 300GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	258,00
49Y2078	IBM 600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	489,00
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	230,00
49Y3727	IBM 300GB 15K 6Gbps SAS 3.5" Hot-Swap HDD	338,00
49Y3728	IBM 450GB 15K 6Gbps SAS 3.5-inch Hot-Swap HDD	415,00
49Y3729	IBM 600GB 15K 6Gbps SAS 3.5" Hot-Swap HDD	428,00
49Y1884	IBM 2TB 7.2K 6Gbps NL SAS 3.5" HS HDD	515,00
41Y8288	250GB 7200 SATA 3.5" Simple-Swap HDD	111,00
41Y8292	250GB 7200 SATA 3.5" Hot-Swap HDD	111,00
41Y8226	500GB Hot-Swap SATA	169,00
41Y8218	500GB Simple-Swap SATA II	169,00
41Y8236	1TB Hot-Swap SATA II	261,00
41Y8284	IBM 2TB 7.2K NL SATA 3.5" SS HDD	402,00
41Y8280	IBM 2TB 7.2K NL SATA 3.5" HS HDD	380,00
	Lan & Fibre Channel Adapters	
44W3278	NETXTREME II 1000 EXPRESS ETHERNET ADAPTER	66,00
49Y3758	Intel Dual Port Ethernet Server Adapter	119,00
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver	561,00
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter	142,00
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)	437,00
90Y4578	Intel Quad Port Ethernet Server Adapter	347,00
	HDD & Raid Adapters	
49Y3719	ServeRAID M5015 SAS/SATA Controller	319,00
49Y3720	ServeRAID M5014 SAS/SATA Controller	234,00
49Y3721	ServeRAID M1000 Series Advance Feature Key	93,00
49Y3722	ServeRAID M5000 Series Advance Feature Key	141,00
90Y4556	ServeRAID M1015 SAS/SATA Controller (Bertram)	115,00
90Y4557	ServeRAID M5000 Series Battery kit (M5000 Battery)	89,00
90Y4579	IBM 6Gb SAS HBA (Ironville)	160,00
	HBA	
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x	785,00
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x	1300,00
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x	785,00
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x	1300,00
	Tape	
90Y4586	IBM 80/160GB DDS Gen 6 Tape Drive	598,00
90Y4588	IBM HH LTO Gen 4 SAS Tape Drive	1760,00
	Rack & Power	
9307SRX	42U S2 rack	1170,00
1754E1X	IBM Local 1x8 Console Manager (LCM8	546,00
1723E7X	IBM 1U 17" Flat Panel Console Kit	1040,00
49Y3710	DPI Universal Rack PDU w/ CEE7-VII Europe LC	161,00
9361EPX	42U 1200mm Deep Static rack	1440,00
90Y4583	IBM Virtual Media Conversion Option Gen2 (VCO2)	104,00
90Y4585	IBM LCD UPS Network Management Card	189,00
	Others	
49Y3724	IBM Virtual Media Key for Entry Systems	220,00
6630E10	Juniper Networks EX2200 24port Ethernet Switch	879,00
0446E13	IBM BNT Rack switch G8000R	3780,00
49Y3715	IBM UltraSlim Enhanced SATA Multi-Burner	80,00

IBM System x3250 M4 (Type 2583)	
Processor	One quad-core Intel Xeon E3-1200 series processor (up to 3.5 GHz/8 MB) or One dual-core Intel Core i3 2100 series processor (up to 3.3 GHz/3 MB) with up to 1333 MHz memory speed. NOTE: Supports specific quad-core and dual-core processors via Configure-To-Order (CTO).
Form Factor	1U rack, 22" depth
Scalability / Chipset	1 x Intel® C202 Chipset
Memory Cache	Up to 8MB L3 for Intel Xeon E3-1200 series processors. Up to 3MB L3 for Intel Core i3 2100 series processors
Memory (Std/Max)	Up to 32GB DDR-3 ECC memory, up to 1333 MHz; 1GB, 2GB, 4GB and 8GB UDIMMs
HDD (Std/Max)	
HDD Controller	SS SATA 3.5" ; HS/SS SAS 2.5" (SS 2.5" is CTO only), 4 x 2.5 HS HDDs
Bay 2.5"	Up to 4x 2.5" hot-swap SAS HDDs (some models) & Up to 4x 2.5" simple-swap SAS HDDs (CTO only)
Bay 3.5"	Up to 2x 3.5" simple-swap SATA HDDs (some models)
Network Interface	Dual Gigabit Ethernet
PCI Slots	2x PCI Express 2.0 slots: One PCI Express 2.0 x4 (for use only by the optional BR10il v2 controller) One PCI Express 2.0 x8
Tape Drive Bays	NO internal tape drive support.
Media / Diskette drive	1x support for DVD-ROM or multiburner.
Ports	2x USB 2.0 ports on front / 4x USB 2.0 / 1x DB-15 video / 1x DB-9 serial 2x RJ-45 Gigabit Ethernet network ports (one is dedicated, one is shared with IMM) on rear.
Keyboard/Mouse	Optional
Graphics	Matrox G200eV with 16MB memory integrated into the IMM. Maximum resolution is 1600x1200 at 85 Hz with 64 K colors.
Power Supply (Std/Max)	One fixed 300W AC power supply or redundant 460W AC power supply (model dependent)
Cooling System	IBM Calibrated Vectored Cooling™ with 4 fans and N+1 redundancy.
Support	IBM HelpCenter
Warranty	3-year customer replaceable unit and on-site limited warranty
System Management	IMM2, shared port
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml

Part Number	*Description*	*List Price*
	System x3250 M4 (Type 2583) Express Models	
2583E1G	1x Ci3-2100 2C, 3.1GHz 3MB cache/ 1333 DDR3 (65W), 2GB (1x 2GB (1Rx8, 1.5V No Chipkill) UDIMM), O/B 3.5" SS SATA(2), C100, Multiburner	699
2583E2G	1x Xeon E3-1220 4C, 3.1GHz 8MB/ 1333 DDR3 (80W), 2GB (1x 2GB (1Rx8, 1.5V No Chipkill) UDIMM), O/B 3.5" SS SATA(2), C100, Multiburner,	749
2583K5G	1x Xeon E3-1230 4C 3.2GHz 8MB/ 1333 DDR3 (80W), 4GB (1x 4GB (2Rx8, 1.5V No Chipkill) UDIMM), 1x 500GB 7K2 3.5" SS SATA(2), C100, Mul	964
2583K6G	1x Pentium G850 2.9GHz 2C 3MB / 1333 DDR3 (65W), 2GB (1x 2GB (1Rx8, 1.5V No Chipkill) UDIMM), 1x 500GB 7K2 3.5" SS SATA(2), C100, Mu	781
2583K7G	1x Xeon E3-1240 4C 3.3GHz 8MB/ 1333 DDR3 (80W), 4GB (1x 4GB (2Rx8, 1.5V No Chipkill) UDIMM), O/B 2.5" HS SAS(4), BR10ilv2, Multiburne	1040

Part Number	*Description*	*List Price*
	System x3250 M4 Options	
	Memory - Express Seller	
90Y4566	2GB (1x2GB, 1Rx8, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM	63,00
49Y3735	4GB (1x4GB, Dual Rankx8)PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM	80,00
	HDD Express Seller	
41Y8288	250GB 7200 SATA 3.5" Simple-Swap HDD	111,00
41Y8218	500GB Simple-Swap SATA II	169,00
41Y8302	1TB 7200 SATA 3.5" Simple Swap HDD	261,00
41Y8280	IBM 2TB 7.2K NL SATA 3.5" HS HDD	380,00
41Y8284	IBM 2TB 7.2K NL SATA 3.5" SS HDD	402,00
44W2201	IBM 146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	259,00
49Y2078	IBM 600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	489,00
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	230,00
	Lan, Fibre Channel and iSCSI Adapters - Express Seller	
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver	561,00
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter	142,00
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)	437,00
90Y4578	Intel Quad Port Ethernet Server Adapter	347,00
49Y3758	Intel Dual Port Ethernet Server Adapter	119,00
	HBA - Express Seler	
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x	785,00
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x	1300,00
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x	785,00
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x	1300,00
	Raid Adapters - Express Seller	
49Y3720	Serve RAID M5014 SAS/SATA Controller (Farmington Lite)	234,00
49Y3721	ServeRAID M1000 Series Advance Feature Key	93,00
90Y4556	ServeRAID M1015 SAS/SATA Controller (Bertram)	115,00
90Y4579	IBM 6Gb SAS HBA (Ironville)	160,00
	Tape Drive- Express Seller	
90Y4586	IBM 80/160GB DDS Gen 6 Tape Drive	598,00
90Y4588	IBM HH LTO Gen 4 SAS Tape Drive	1760,00
	Other - Express Seller	
81Y6404	Half-High SATA Multi-Burner (NEW ODD option of tower)	88,00
94Y6237	Half High Multi-burner optical drive	66,00
49Y3715	IBM UltraSlim Enhanced SATA Multi-Burner	80,00

IBM System x3550 M3 (Type 7944)	
Processor	Intel® Xeon™ 55xx Series (QC) FSB 800/1066/1333MHz / 4MB L2 Cache / with QPI technology Intel® Xeon™ 56xx Series (QC, 6-Core) / 3.33GHz up to 12MB L3 Cache / up to TWO with QPI technology
Form Factor	1U Rack-mountable
Scalability / Chipset	Dual Socket / Intel 5520
Memory (Std/Max)	4, 8 or 12GB std / 72GB Max per processor (using 8GB DIMMS)
HDD (Std/Max)	2.5" SAS Models: 2TB² with four 500GB SFF disks / 2.5" SAS Models: 4TB² with eight 500GB SFF disks
HDD Controller	IBM ServeRAID BR10il v2 SAS/SATA controller / A2x / on riser card / PCI-Express / supports RAID-0/1/1E / IBM ServeRAID M1015 SAS/SATA controller / B2x, C2x, D2x, H2x, N2x / on riser card / PCI-Express / supports RAID-0/1/10 / IBM ServeRAID M5014 SAS/SATA
Bay 2.5''	4 x 2.5-inch (SFF) Small Form Factor / supports SAS/SATA/SSD Hot Swap disks / Expandable to eight SFF Hot Swap disk bays
Network Interface	Integrated Dual Gigabit Ethernet (Broadcom® 5709) 2 ports standard + 2 optional
PCI Slots	Slot 1*: PCI-Express x16 low profile / Slot 2*: PCI-Express x16 full height, half length *slots convertable to 64-bit 133MHz 3.3v PCI-X via riser card
Media / Diskette drive	Optional optical / USB only
Ports	**Front:** 2x USB (Vers 2.0), graphics (DB-15) **Rear:** 2x USB (Vers 2.0), serial (9-pin), graphics (DB-15), two ethernet (RJ-45), one RJ-45 (sys mgmt) / no parallel port
Keyboard/Mouse	None standard (because rack-based) / USB only
Graphics	SVGA / Matrox G200eV integrated in IMM on systemboard / 16MB DDR2-250MHz SDRAM std/max
Power Supply	Std/Max: 1x or 2x / two 675 watt hot-swap
Cooling System	Calibrated Vectored Cooling™
Support	IBM HelpCenter
Warranty	Three year on-site limited warranty. Optional ServicePac upgrade
System Management	IBM Director™, ServerGuide™ (downloadable), Integrated Management Module*, LightPath Diagnostics™. Remote presence via Virtual media key standard
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml

Part Number	*Description*	*List Price*
	System x3550 M3 Standard Models	
	1U Rack Models	
7944KAG	**Intel® Xeon™ E5606 2.13GHz 8MB cache QC, 4GB (1x 4GB (2Gb 1Rx4, 1.35V Chipkill) RDIMM), O/B 2.5" HS SAS/SATA(4), M1015, Multiburner, 1x**	1160,00
7944KMG	**1x E5645 Westmere 6C 2.40GHz 12MB (80W), 8GB (1x 8GB (2Rx4, 1.35V 1333MHz) RDIMM), 2x 300GB 10K 2.5" HS SAS(4), M5014(256MB)no ba**	1940,00
7944K3G	**Intel® Xeon™ E5620 2.40GHz 12MB cache QC, 4GB (1x 4GB), O/B HS SAS (8), M5014, 1x PS, no optical**	1380,00

Part Number	*Description*	*List Price*
	System x3550 M3 Options (3 year Warranty)	
	Processors	
49Y3744	Intel® Xeon® Processor E5620 4C 2.40GHz 12MB Cache 1066MHz 80w W/Fan	528,00
49Y3751	Intel® Xeon® Processor E5630 4C 2.53GHz 12MB Cache 1066MHz 80w W/Fan	730,00
49Y3769	Intel® Xeon® Processor E5607 4C 2.26GHz 8MB Cache 1066MHz 80w W/Fan	388,00
49Y3770	Intel® Xeon® Processor E5606 4C 2.13GHz 8MB Cache 1066MHz 80w W/Fan	319,00
49Y3771	Intel® Xeon® Processor E5645 6C 2.40GHz 12MB Cache 1333MHz 80w W/Fan	733,00
	Memory kits	
49Y3734	2GB (1x2GB, Dual Rankx8)PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM	61,00
49Y3745	2GB (1x2GB, 1Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	63,00
49Y3746	4GB (1x4GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	105,00
49Y3747	8GB (1x8GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	131,00
49Y3777	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80,00
49Y3778	8GB (1x8GB, 2Rx4, 1.35V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	131,00
90Y4550	2GB (2Gb, 1Rx8, 1.35V) PC3L-10600R ECC LP RDIMM	66,00
90Y4551	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80,00
90Y4574	2GB (1x2GB, 1Rx8, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	70,00
	Hard Disk Drives	
44W2201	IBM 146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	259,00
44W2193	IBM 300GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	258,00
49Y2078	IBM 600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	489,00
49Y3726	IBM 500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD	271,00
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	230,00
49Y3729	IBM 600GB 15K 6Gbps SAS 3.5" Hot-Swap HDD	428,00
	HBA	
43W8353	QLogic 4Gb FC Single-Port PCIe HBA	673,00
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x	785,00
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x	1300,00
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x	785,00
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x	1300,00
	Lan and iSCSI Adapters	
44W3278	NETXTREME II 1000 EXPRESS ETHERNET ADAPTER	66,00
49Y3717	Dual-port 1 GB Ethernet Daughter Card	56,00
49Y3758	Intel Dual Port Ethernet Server Adapter	119,00
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver	561,00
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter	142,00
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)	437,00
90Y4578	Intel Quad Port Ethernet Server Adapter	347,00
	Raid Adapters	
49Y3719	ServeRAID M5015 SAS/SATA Controller (Farmington)	319,00
49Y3720	Serve RAID M5014 SAS/SATA Controller (Farmington Lite)	234,00
49Y3721	ServeRAID M1000 Series Advance Feature Key	93,00
49Y3722	ServeRAID M5000 Series Advance Feature Key	141,00
90Y4556	ServeRAID M1015 SAS/SATA Controller (Bertram)	115,00
90Y4557	ServeRAID M5000 Series Battery kit (M5000 Battery)	89,00
90Y4579	IBM 6Gb SAS HBA (Ironville)	160,00
	Tape Drives	
90Y4586	IBM 80/160GB DDS Gen 6 Tape Drive	598,00
90Y4588	IBM HH LTO Gen 4 SAS Tape Drive	1760,00
	Others	
49Y3704	IBM 675W Redundant Power Supply x3550M2/M3, x3650M2/M3	179,00
90Y4558	IBM 460W Redundant AC Power Supply	161,00
49Y3715	IBM UltraSlim Enhanced SATA Multi-Burner	80,00
49Y3723	IBM Virtual Media Key	225,00
6630E10	Juniper Networks EX2200 24port Ethernet Switch	879,00
0446E13	IBM BNT Rack switch G8000R	3780,00
41Y8305	IBM USB Memory Key for VMWare ESXi 4.1	58,00
9307SRX	42U S2 rack	1170,00
1754E1X	IBM Local 1x8 Console Manager (LCM8	546,00
9361EPX	42U 1200mm Deep Static rack	1440,00
90Y4583	IBM Virtual Media Conversion Option Gen2 (VCO2)	104,00
90Y4585	IBM LCD UPS Network Management Card	189,00

IBM System x3550 M4 (Type 7914)	
Processor	Up to two Intel Xeon processor E5-2600 product family CPUs with eight cores (up to 2.9 GHz) or six cores (up to 2.9 GHz) or quad-cores (up to 3.3 GHz). Two QPI links up to 8.0 GT/s each. Up to 1600 MHz memory speed. Up to 20 MB L3 cache.
Form Factor	1U Rack.
Scalability / Chipset	Intel C604
Memory (Std/Max)	Up to 24 DIMM sockets (12 DIMMs per processor). RDIMMs, UDIMMs and LR-DIMMs (Load Reduced DIMMs) supported but memory types cannot be intermixed. Memory DIMM speeds up to 1600 MHz.
Maximum internal storage	Up to 7.2 TB with 900 GB 2.5" SAS HDDs, or up to 8 TB with 1 TB 2.5" NL SAS/SATA HDDs, or up to 9 TB with 3 TB 3.5" NL SAS/SATA HDDs. Intermix of SAS/SATA is supported.
HDD Controller	RAID 0, 1, 10 with H1110, M1115 or M5110. Optional upgrades to RAID 5, 50 available for M1115. Optional upgrades to RAID 5, 50 are available (zero-cache; 512 MB battery-backed cache; 512 MB or 1 GB flash-backed cache) for M5110. Optional upgrade to RAID 6. 60 are available for M5110 with caches.
Bay 2.5''	Up to eight 2.5" hot-swap SAS/SATA HDDs, or up to three 3.5" hot-swap SAS/SATA HDDs, or up to three 3.5" Simple Swap SATA HDDs.
Network Interface	Four integrated Gigabit Ethernet 1000BASE-T ports (RJ-45); two integrated 10 Gb Ethernet ports (10GBASE-T RJ-45 or 10GBASE-SR SFP+ based) on optional 10 Gb Ethernet mezzanine card (does not consume a PCIe slot).
PCI Slots	Two slots, depending on the riser cards installed. The slots are as follows (all PCIe slots are PCIe 3.0, all PCI-X slots are 64 bit/133 MHz): Slot 1: PCIe x16; low profile, half-length Slot 2: PCIe x8, opt. PCI-X or PCIe x16; full-height/half-length (req. 2nd CPU) / Additional dedicated slot for ServeRAID adapter.
Media / Diskette drive	One, optional, for models with 2.5" drives. Support for DVD-ROM or Multiburner.
Ports	##
Keyboard/Mouse	Optional
Graphics	Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors.
Power Supply	Up to two redundant hot-swap 550 W ac or 750 W ac power supplies (80+ Platinum certification).
Cooling System	IBM Calibrated Vectored Cooling™ with up to six N+N redundant hot-swap fans (four standard, additional two with second processor); each fan has two motors.
Support	IBM HelpCenter
Warranty	Three-year customer-replaceable unit and onsite limited warranty with 9x5/NBD.
System Management	IBM Director™, ServerGuide™ (downloadable), Integrated Management Module*, LightPath Diagnostics™. Remote presence via Virtual media key standard
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml

Part Number	*Description*	*List Price*
	System x3550 M4 Express Models	
7914E1G	**1x Xeon E5-2603 1.8GHz 10M 4C 1066MHz (80W), 4GB (1x 4GB (1Rx4, 1.35V) 1333MHz LP RDIMM), O/B 2.5" HS SAS/SATA(4), M1115, Multiburner**	1350,00
7914E2G	**1x Xeon E5-2603 1.8GHz 10M 4C 1066MHz (80W), 4GB (1x 4GB (1Rx4, 1.35V) 1333MHz LP RDIMM), 2x500GB 7K2 2.5" 6Gbps NL 2.5" HS SATA(4),**	1760,00
7914E3G	**1x Xeon E5-2620 2.0GHz 15M 6C 1333MHz (95W), 8GB (1x 8GB (2Rx4, 1.35V) 1333MHz LP RDIMM), O/B 2.5" HS SAS/SATA(8), M5110(512MB cach**	1760,00
7914E4G	**1x Xeon E5-2620 2.0GHz 15M 6C 1333MHz (95W), 8GB (1x 8GB (2Rx4, 1.35V) 1333MHz LP RDIMM), O/B 3.5" HS SAS/SATA(3), M1115, No optical,**	1620,00
7914E5G	**1x Xeon E5-2630 2.3GHz 15M 6C 1333MHz (95W), 8GB (1X 8GB (2Rx4, 1.35V) 1333MHz LP RDIMM), 2x300GB 10K 2.5" HS SAS(4), M5110(512MB fl**	2680,00

Part Number	*Description*	*List Price*
	System x3550 M4 Options	
	Processors - Express Seller	
90Y4593	Intel® Xeon® Processor E5-2603 4C 1.8GHz 10MB 1066MHz 80W W/Fan	316,00
90Y4594	Intel® Xeon® Processor E5-2620 6C 2.0GHz 15MB 1333MHz 95W W/Fan	579,00
90Y4595	Intel® Xeon® Processor E5-2630 6C 2.3GHz 15MB 1333MHz 95W W/Fan	850,00
	Memory kits	
49Y3757	4GB (1x4GB) Dual Rank PC3-10600 CL9 ECC DDR3 1333MHz Low Power VLP RDIMM	80,00
49Y3777	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80,00
49Y3778	8GB (1x8GB, 2Rx4, 1.35V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	131,00
90Y4550	2GB (2Gb, 1Rx8, 1.35V) PC3L-10600R ECC LP RDIMM	66,00
90Y4551	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80,00
	Hard Disk Drives - Express Seller	
81Y9935	IBM 300GB 15K 6Gbps SAS 2.5" SFF HS HDD	487,00
81Y9927	IBM 900GB 10K 6Gbps SAS 2.5" HS HDD	622,00
81Y9840	IBM 250GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	273,00
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	230,00
81Y9848	IBM 1TB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	436,00
90Y8858	IBM 1TB 7.2K 6Gbps NL SAS 3.5" PI HDD	309,00
90Y8830	IBM 500GB 7.2K 6Gbps NL SATA 3.5" HDD	164,00
90Y8826	IBM 1TB 7.2K 6Gbps NL SATA 3.5" HDD	253,00
90Y8822	IBM 2TB 7.2K 6Gbps NL SATA 3.5" HDD	403,00
	Lan, Fibre Channel and iSCSI Adapters	
44W3278	NETXTREME II 1000 EXPRESS ETHERNET ADAPTER	66,00
49Y3758	Intel Dual Port Ethernet Server Adapter	119,00
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver	561,00
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter	142,00
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)	437,00
90Y4578	Intel Quad Port Ethernet Server Adapter	347,00
	RAID Adapters - Express Seller	
90Y4579	IBM 6Gb SAS HBA (Ironville)	160,00
00D7081	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade for IBM System x	114,00
00D7083	ServeRAID M5100 Series RAID 6 Upgrade for IBM System x	151,00
00D7084	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade for IBM System x	325,00
00D7085	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade for IBM System x	151,00
	HBA	
43W8353	QLogic 4Gb FC Single-Port PCIe HBA	673,00
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x	785,00
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x	1300,00
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x	785,00
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x	1300,00
	Other - Express Seller	
00D7087	IBM System x 550W High Efficiency Platinum AC Power Supply	174,00
00D7088	IBM System x 750W High Efficiency Platinum AC Power Supply	203,00
49Y3715	IBM UltraSlim Enhanced SATA Multi-Burner	80,00
6630E10	Juniper Networks EX2200 24port Ethernet Switch	879,00
0446E13	IBM BNT Rack switch G8000R	3780,00
9307SRX	42U S2 rack	1170,00
1754E1X	IBM Local 1x8 Console Manager (LCM8	546,00
9361EPX	42U 1200mm Deep Static rack	1440,00
90Y4585	IBM LCD UPS Network Management Card	189,00

IBM System x3650 M3 (Type 7945)	
Processor	Intel® Xeon™ 55xx Series (QC) FSB 800/1066/1333MHz with QPI technology Intel® Xeon™ 56xx Series (QC, 6-Core) / 3.33GHz up to 12MB L3 Cache / up to TWO with QPI technology
Form Factor	Rack / 2U
Scalability / Chipset	Dual Socket / Intel 5520 Chipset
Memory (Std/Max)	192 GB DDR-3 RDIMMs1 via 18 DIMM slots or 48 GB DDR-3 UDIMMs1 via 12 DIMM slots
HDD (Std/Max)	2.5": SAS models: 2TB² with four 500GB SFF disks / 2.5": SAS models: 4TB² with eight 500GB SFF disks
HDD Controller	IBM ServeRAID BR10il v2 SAS/SATA controller / A2x / on riser card / PCI-Express / supports RAID-0/1/1E / IBM ServeRAID M1015 SAS/SATA controller / B2x, C2x, D2x, H2x, N2x / on riser card / PCI-Express / supports RAID-0/1/10 / IBM ServeRAID M5014 SAS/SATA
Bays 2.5'' (SFF)	Eight 2.5-inch Small Form Factor (SFF) / Supports SAS/SATA/SSD SFF hot-swap disks / optional expansion to Sixteen SFF hot-swap
Network Interface	Integrated Dual Gigabit Ethernet (Broadcom® 5709C) 2 ports standard + 2 optional
PCI Slots	Slot 1: PCI-Express x8, full length, full height / Slot 2: PCI-Express x8, low profile adapter with full height bracket Slot 3: PCI-Express x8, full length, full height / Slot 4: PCI-Express x8, half length, full height **can be converted to from 4 x8
Media / Diskette drive	Optional optical / USB only
Ports	**Front:** two USB (Vers 2.0), graphics (DB-15) **Rear:** two USB (Vers 2.0), serial (9-pin), graphics (DB-15), two ethernet (RJ-45), one RJ-45 (sys mgmt) / no parallel port
Keyboard / Mouse	None standard (because rack-based) / USB only
Graphics	SVGA / Matrox G200eV integrated in IMM on systemboard / 16MB DDR2-250MHz SDRAM std/max
Power Supply	Std/Max: one/two 675 watt hot-swap
Cooling System	Calibrated Vectored Cooling
Support	IBM HelpCenter
Warranty	Three year onsite limited warranty
System Management	IBM Director™, ServerGuide™, Predictive Failure Analysis (PFA). LightPath Diagnostics™. Integrated Management Module (IMM) via optional Virtual media key
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml

Part Number	*Description*
	System x3650 M3 Models (3 year Warranty)
	Rack 2U
7945K3G	E5620, 2x 4gb, O/B HS SAS (8), M5014(no battery), 1x PS, multiburner
7945KEG	1x E5606 Westmere 4C 2.13GHz 8MB (80W), 4GB (1x 4GB (2Gb 1Rx4, 1.35V Chipkill) RDIMM), O/B 2.5" HS SAS/SATA(8), M1015, Multiburner, 1x460W HS PSU
7945KLG	1x X5650 Westmere 6C 2.66GHz 12MB (95W), 12GB (3x 4GB (1Rx4, 1.35V) 1333MHz LP RDIMM), O/B 2.5" HS SAS/SATA(8), M5015(512MB)+battery, Multiburner, 1x675W HS PSU
7945KMG	1x E5620 Westmere 4C 2.40GHz 12MB (80W), 4GB (1x 4GB (1Rx4, 1.35V) 1333MHz LP RDIMM), O/B 2.5" HS SAS/SATA(8), M5014(256MB) no battery, Multiburner, 1x460W HS PSU
7945KNG	1x E5645 Westmere 6C 2.40GHz 12MB (80W), 4GB (1x 4GB (2Gb 1Rx4, 1.35V Chipkill) RDIMM), O/B 2.5" HS SAS/SATA(8), M5014(256MB) no battery, Multiburner, 1x460W HS PSU
7945KQG	2x X5650 Westmere 6C 2.66GHz 12MB (95W), 16GB (2x 8GB (2Rx4, 1.35V 1333MHz) RDIMM), 3x 300GB 10K 2.5" HS SAS(8), M5015(512MB)no battery, Multiburner, 2x675W HS PSU , ethernet daughter card
7945KTG	1x E5645 Westmere 6C 2.40GHz 12MB (80W), 8GB (1x 8GB (2Rx4, 1.35V 1333MHz) RDIMM), 2x 300GB 10K 2.5" HS SAS(8), M5014(256MB)no battery, Multiburner, 2x460W HS PSU

Part Number	*Description*
	System x3650 M3 Options
	Processors
49Y3741	Intel® Xeon® Processor E5620 4C 2.40GHz 12MB Cache 1066MHz 80w
49Y3752	Intel® Xeon® Processor E5630 4C 2.53GHz 12MB Cache 1066MHz 80w
49Y3774	Intel® Xeon® Processor E5607 4C 2.26GHz 8MB Cache 1066MHz 80w
49Y3775	Intel® Xeon® Processor E5606 4C 2.13GHz 8MB Cache 1066MHz 80w
90Y4569	Intel® Xeon® Processor E5645 6C 2.40GHz 12MB Cache 1333MHz 80w
	Memory kits
49Y3734	2GB (1x2GB, Dual Rankx8)PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM
49Y3745	2GB (1x2GB, 1Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
49Y3746	4GB (1x4GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
49Y3747	8GB (1x8GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
49Y3777	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
49Y3778	8GB (1x8GB, 2Rx4, 1.35V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
90Y4550	2GB (2Gb, 1Rx8, 1.35V) PC3L-10600R ECC LP RDIMM
90Y4551	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
	Hard Disk Drives
44W2201	IBM 146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD
44W2193	IBM 300GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD
49Y2078	IBM 600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD
49Y3726	IBM 500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD
	HBA
43W8353	QLogic 4Gb FC Single-Port PCIe HBA
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x
	Lan and iSCSI Adapters
44W3278	NETXTREME II 1000 EXPRESS ETHERNET ADAPTER
49Y3717	Dual-port 1 GB Ethernet Daughter Card
49Y3758	Intel Dual Port Ethernet Server Adapter
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)
90Y4578	Intel Quad Port Ethernet Server Adapter
	RAID Adapters
49Y3719	ServeRAID M5015 SAS/SATA Controller (Farmington)
49Y3720	Serve RAID M5014 SAS/SATA Controller (Farmington Lite)
49Y3721	ServeRAID M1000 Series Advance Feature Key
49Y3722	ServeRAID M5000 Series Advance Feature Key
90Y4556	ServeRAID M1015 SAS/SATA Controller (Bertram)
90Y4557	ServeRAID M5000 Series Battery kit (M5000 Battery)
90Y4579	IBM 6Gb SAS HBA (Ironville)
	Others
90Y4586	IBM 80/160GB DDS Gen 6 Tape Drive
90Y4588	IBM HH LTO Gen 4 SAS Tape Drive
49Y3715	IBM UltraSlim Enhanced SATA Multi-Burner
49Y3723	IBM Virtual Media Key
6630E10	Juniper Networks EX2200 24port Ethernet Switch
0446E13	IBM BNT Rack switch G8000R
41Y8305	IBM USB Memory Key for VMWare ESXi 4.1
9307SRX	42U S2 rack
1754E1X	IBM Local 1x8 Console Manager (LCM8
90Y4583	IBM Virtual Media Conversion Option Gen2 (VCO2)
90Y4585	IBM LCD UPS Network Management Card

IBM System x3650 M4 (Type 7915)	
Processor	Up to two Intel Xeon processor E5-2600 product family CPUs with eight cores (up to 2.9 GHz) or six cores (up to 2.9 GHz) or quad-cores (up to 3.3 GHz). Two QPI links up to 8.0 GT/s each. Up to 1600 MHz memory speed. Up to 20 MB L3 cache.
Form Factor	2U Rack.
Scalability / Chipset	Intel C602J.
Memory (Std/Max)	Up to 24 DIMM sockets (12 DIMMs per processor). RDIMMs, UDIMMs, HCDIMMs (HyperCloud), and LRDIMMs (Load Reduced DIMMs) supported, but memory types cannot be intermixed. Memory speed up to 1600 MHz.
Maximum internal storage	Up to 14.4 TB with 900 GB 2.5" SAS HDDs, up to 16 TB with 1 TB 2.5" NL SAS/SATA HDDs, or up to 18 TB with 3 TB 3.5" NL SAS/SATA HDDs. Intermix of SAS/SATA is supported.
HDD Controller	RAID 0, 1, 10 with integrated ServeRAID M5110e; optional upgrades to RAID 5, 50 are available (zero-cache; 512 MB battery-backed cache; 512 MB or 1 GB flash-backed cache). Optional upgrade to RAID 6, 60 is available for 512 MB or 1 GB cache.
Bay 2.5''	Up to 16 2.5" hot-swap SAS/SATA bays, or up to six 3.5" hot-swap SAS/SATA bays, or up to six 3.5" Simple Swap SATA bays.
Network Interface	Four integrated Gigabit Ethernet 1000BASE-T ports (RJ-45); two embedded 10 Gb Ethernet ports (10GBASE-T RJ-45 or 10GBASE-SR SFP+ based) on optional 10 Gb Ethernet mezzanine card (does not consume PCIe slot).
PCI Slots	Up to six slots depending on the riser cards installed. The slots are as follows: Slot 1: PCIe 3.0 x8; full-height, full-length Slot 2: PCIe 3.0 x8; full-height, half-length Slot 3: PCIe 3.0 x8; full-height, half-length Slot 4: Optional, requires second processor and second riser card Slot 5: Optional, requires second processor and second riser card Slot 6: Optional, requires second processor and second riser card * Optional riser cards available with PCIe x8 or PCIe x16 or PCI-X slots.
Media / Diskette drive	One bay for optional DVD-ROM or Multiburner drive.
Tape drive bays	Optional Tape Enablement Kit is available to support one DDS5, DDS6, or RDX internal USB tape drive.
Ports	##########
Keyboard/Mouse	Optional
Graphics	Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors.
Power Supply	Up to two redundant hot-swap 550 W ac or 750 W ac or 900 W ac power supplies (80 PLUS Platinum certification).
Cooling System	IBM Calibrated Vectored Cooling™ with up to four N+N redundant hot swap fans (three standard, additional fan with second processor); each fan has two motors
Support	IBM HelpCenter
Warranty	Three-year customer-replaceable unit and on-site limited warranty with 9x5 next business day (NBD).
System Management	##########
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/matrix.shtml

Part Number	*Description*	*List Price*
	System x3650 M4 Express Models (3 year Warranty)	
7915E1G	**Intel® Xeon™ E5-2603 1.8GHz 10M 4C 1066MHz (80W), 4GB (1x 4GB (1Rx4, 1.35V) 1333MHz LP RDIMM), O/B 2.5" HS SAS/SATA(8), M5110e no**	1470,00
7915E2G	**Intel® Xeon™ E5-2620 2.0GHz 15M 6C 1333MHz (95W), 8GB (1x 8GB (2Rx4, 1.35V) 1333MHz LP RDIMM), 2x 300GB 10K 2.5" HS SAS(8), M5110e**	2270,00
7915E3G	**Intel® Xeon™ E5-2620 2.0GHz 15M 6C 1333MHz (95W), 8GB (1x 8GB (2Rx4, 1.35V) 1333MHz LP RDIMM), O/B 2.5" HS SAS/SATA(8), M5110e no**	1740,00
7915E4G	**Intel® Xeon™ E5-2630 2.3GHz 15M 6C 1333MHz (95W), 8GB (1x 8GB (2Rx4, 1.35V) 1333MHz LP RDIMM), 2x 300GB 10K 2.5" HS SAS(8), M5110e**	2650,00
7915E5G	**Intel® Xeon™ (x2) E5-2650 2.0GHz 20M 8C 1600MHz (95W), 16GB (2x 8GB (2Rx4, 1.35V) 1333MHz LP RDIMM), 3x 300GB 10K 2.5" HS SAS(8), M**	5290,00

Part Number	*Description*	*List Price*
	System x3650 M4 Options	
	Processors - Express Seller	
90Y4596	Intel® Xeon® Processor E5-2603 4C 1.8GHz 10MB 1066MHz 80W W/Fan	316
90Y4597	Intel® Xeon® Processor E5-2620 6C 2.0GHz 15MB 1333MHz 95W W/Fan	579
90Y4598	Intel® Xeon® Processor E5-2630 6C 2.3GHz 15MB 1333MHz 95W W/Fan	850
90Y4599	Intel® Xeon® Processor E5-2650 8C 2.0GHz 20MB 1600MHz 95W W/Fan	1520
00D7080	Intel® Xeon® Processor E5-2609 4C 2.4GHz 10MB 1066MHz 80W W/Fan	431
	Memory kits	
49Y3757	4GB (1x4GB) Dual Rank PC3-10600 CL9 ECC DDR3 1333MHz Low Power VLP RDIMM	80
49Y3777	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80
49Y3778	8GB (1x8GB, 2Rx4, 1.35V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM	131
90Y4550	2GB (2Gb, 1Rx8, 1.35V) PC3L-10600R ECC LP RDIMM	66
90Y4551	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM	80
	Hard Disk Drives - Express Seller	
81Y9935	IBM 300GB 15K 6Gbps SAS 2.5" SFF HS HDD	487
81Y9927	IBM 900GB 10K 6Gbps SAS 2.5" HS HDD	622
81Y9840	IBM 250GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	273
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	230
81Y9848	IBM 1TB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD	436
90Y8858	IBM 1TB 7.2K 6Gbps NL SAS 3.5" PI HDD	309
90Y8830	IBM 500GB 7.2K 6Gbps NL SATA 3.5" HDD	164
90Y8826	IBM 1TB 7.2K 6Gbps NL SATA 3.5" HDD	253
90Y8822	IBM 2TB 7.2K 6Gbps NL SATA 3.5" HDD	403
	Lan, Fibre Channel and iSCSI Adapters	
44W3278	NETXTREME II 1000 EXPRESS ETHERNET ADAPTER	66
49Y3758	Intel Dual Port Ethernet Server Adapter	119
90Y4575	Qlogic 10Gb SFP+ SR Optical Transceiver	561
90Y4576	NetXtreme II 1000 Express Dual Port Ethernet Adapter	142
90Y4577	NetXtreme II 1000 Express Quad Port Ethernet Adapter (Atlantis)	437
90Y4578	Intel Quad Port Ethernet Server Adapter	347
	RAID Adapters - Express Seller	
90Y4579	IBM 6Gb SAS HBA (Ironville)	160
00D7081	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade for IBM System x	114
00D7083	ServeRAID M5100 Series RAID 6 Upgrade for IBM System x	151
00D7084	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade for IBM System x	325
00D7085	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade for IBM System x	151
	HBA	
43W8353	QLogic 4Gb FC Single-Port PCIe HBA	673
49Y3702	Brocade 8Gb FC Single-port HBA for IBM System x	785
49Y3703	Brocade 8Gb FC Dual-port HBA for IBM System x	1300
49Y3760	QLogic 8Gb FC Single-port HBA for IBM System x	785
49Y3761	QLogic 8Gb FC Dual-port HBA for IBM System x	1300
	Other - Express Seller	
49Y3715	IBM UltraSlim Enhanced SATA Multi-Burner	80
6630E10	Juniper Networks EX2200 24port Ethernet Switch	879
0446E13	IBM BNT Rack switch G8000R	3780
9307SRX	42U S2 rack	1170
1754E1X	IBM Local 1x8 Console Manager (LCM8	546
9361EPX	42U 1200mm Deep Static rack	1440
90Y4585	IBM LCD UPS Network Management Card	189

IBM BladeCenter™ S (Type 8886 3 year warranty)	
Part Number & Model Type	8886-1TG
Form Factor	7U 6 blade Rack Optimized Chassis with optional tower kit for office use
See Blades for foll. Specs	Processor, Number of Processors, Cache, Memory, Hard Disk Drive, HDD Controller, Slots, Operating System Supported.
Blade Bays	6 Front Loading Bays
Connectivity Bays	2 Integrated Ethernet Connectivity Bay, 2 Adapter Card Connectivity Bays, 1 Serial Module Connectivity Bay,
	1 Management Module Bays, Optional 12 3.5" Hot Swap Disks Bays
Power Supply	2 x 950W / 1450W hot swap redundant modules. 2 Standard 2 optional
Cooling System	Redundant Hot Swap Power and Cooling
Media Device	DVD optional on 8886-1TG
Diskette Drive	N/A
Network Interface	Optional Ethernet switch modules or Pass thru module
Ports	1 Front Mounted USB port; USB Keyboard and Mouse, Video and Ethernet on Advanced Management Module.
Keyboard/Pointing Device	No Kebyoard or Mouse shipped with system unit
Software and Tools	IBM Director, Serverguide standard, BladeCenter Start Now Advisor and BladeCenter Service Advisor.
Security Features	Ability to power on/off blades locally can be disabled. Access to local KVM can be disabled.
Systems Management	Integrated management module for Centralised Chassis Management. Web browser interface or manage with IBM Director.
Dimensions (H x D x W)	H 306.3 mm (12 inches) x D 733.4 mm (28.9 inches) x W 444 mm (17.5 inches)
Acoustics	6.3 through 6.9 bels blade dependent
Weight	40.82 kg to 108.86 kg
Support	IBM HelpCenter Optional 24x7x4 upgrade
Warranty	Three years on site limited warranty

Part Number	*Description*
	BladeCenter™ S
	Models
8886K2G	1x aMM, 2x Power Supply, 1x SAS Connectivity Module, 1x Disk Storage Module, 1x Multiburner DVD

Note: 88661TG has C14 power connections.

Part Number	*Description*
	BladeCenter™ S Options
	HDD
49Y3726	IBM 500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD
49Y3727	IBM 300GB 15K 6Gbps SAS 3.5" Hot-Swap HDD
49Y3728	IBM 450GB 15K 6Gbps SAS 3.5-inch Hot-Swap HDD
49Y3729	IBM 600GB 15K 6Gbps SAS 3.5" Hot-Swap HDD
49Y1884	IBM 2TB 7.2K 6Gbps NL SAS 3.5" HS HDD
41Y8236	1TB Hot-Swap SATA II
	Ethernet Modules
39Y9222	BNT Layer 2/3 Copper Gb Ethernet Switch Module for IBM BladeCenter
44W3199	IBM Server Connectivity Module for IBM BladeCenter
	Other Options
9307SRX	42U S2 Rack

IBM BladeCenter™ HS22	
Processor	Intel Xeon 5500 Series (Dual and Quad Core) Intel Xeon 5600 Series (Quad Core and Six Core)
Form Factor	Single Wide Blade
L2 Cache	4MB / 8MB / 12MB (Model Dependant)
SMP	Dual Socket with Dual, Quad and Six Quad Core Models
Chip Set	Intel
Memory	PC3-10600 CL9 ECC DDR3 1333MHz Chipkill VLP RDIMM 96GB Maximum using 8GB Dimms
Graphics	Matrox G200e in on board Integrated Management Module
Cooling System	Calibrated Vectored Cooling via chassis
Disk Bays	Type : Hot Swap 2.5" SAS / SATA / SSD Quantity : 2 Max Capacity 600 GB / 600 GB / 100GB
Slots (total / available)	One CIOv and one CFFh expansion connectors per blade server (2/2)
Network Interface	Dual Integrated Gb with TOE Broadcom 5709S
Controller	Integrated SAS / SATA controller
Hard Disk Drive Controller	Integrated LSI1064e with RAID 0,1,1E Optional ServerRAID MR10ie with RAID 0, 1, 10, 5, 50,6, 60
Keyboard/Pointing Device	No keyboard or mouse shipping with system unit.
Software and Tools	IBM Systems Director shipped as standard. ToolCentre for deployment, updating, diagnostics and configuration assistance.
Dimensions	245mm x 435mm x 29mm
Weight	5.4 Kg (depending on the configuration when options are added)
Security features	Trusted Platform Module 1.2
Operating Systems	**ibm.com/servers/eserver/serverproven/compat/us/nos/ematrix.shtml**
Systems Management	On Blade Integrated Management Module providing remote presence. IBM Systems Director ships as standard.
	Additional licenses for non IBM hardware available at an extra cost.
Support	IBM HelpCenter with Optional service pack upgrade
Warranty	Three years on site limited warranty

Part Number	*Description*
	Blade HS22
	Models
7870K4G	E5620, 2.4GHz, 1x 4GB, O/B
7870K5G	Westmere EP E5606 2.13GHz/1066MHz, 8MB, 4C, 80W, 4GB(1x4GB), O/B

Part Number	*Description*
	Blade HS22
	Processor
49Y3762	Intel® Xeon® Processor E5620 4C 2.40GHz 12M Cache 1066MHz 80w
49Y3776	Intel® Xeon® Processor E5606 4C 2.13GHz 8MB Cache 1066MHz 80w
90Y4582	Intel® Xeon® Processor E5649 6C 2.53GHz 12MB Cache 1333MHz 80w
	Memory
90Y4555	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
90Y4559	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
90Y4580	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz Chipkill VLP RDIMM
90Y4581	8GB (1x8GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz Chipkill VLP RDIMM
	Hard Disk Drives
44W2201	IBM 146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD
44W2193	IBM 300GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD
49Y2078	IBM 600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD
49Y3726	IBM 500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD
81Y9844	IBM 500GB 7.2K 6Gbps NL SATA 2.5" SFF Slim-HS HDD
	Fibre Channel, Infiniband, SAS, RAID Controllers and LAN Adapters
49Y3705	SAS Connectivity Card for IBM BladeCenter (CIOv)

Part Number	Description
	Software Available from IBM
	Software Available from Microsoft
	Windows® Server 2008 R2 Foundation
4849MMD	Windows Server 2008 R2 Foundation (1 CPU) ROK - English
4849MMF	Windows Server 2008 R2 Foundation (1 CPU) ROK - French
	Windows® Server 2008 R2 Standard
4849MSM	Windows Server 2008 R2 Standard (1-4 CPU, 5 CAL) ROK - Multilang (CS,EN,FR,DE,IT,JA,KO,PL,RU,SP,TR)
	Windows® Server 2008 R2 Enterprise 10 CAL (Client Access Licenses)
4849MTM	Windows Server 2008 R2 Enterprise (1-8 CPU, 10 CAL) ROK - Multilang (CS,EN,FR,DE,IT,JA,KO,PL,RU,SP,TR)
	Windows® Server 2008 R2 Enterprise 25 CAL (Client Access Licenses)
4849MEM	Windows Server 2008 R2 Enterprise (1-8 CPU, 25 CAL) ROK - Multilang (CS,EN,FR,DE,IT,JA,KO,PL,RU,SP,TR)
	Windows® Server 2008 R2 Datacenter 2 CPU (Client Access Licenses)
4849MGM	Windows Server 2008 R2 Datacenter (2 CPU, 5 CAL) ROK - Multilang (CS,EN,FR,DE,IT,JA,KO,PL,RU,SP,TR)
	Windows® Server 2008 R2 Datacenter 4 CPU (Client Access Licenses)
4849MHM	Windows Server 2008 R2 Datacenter (4 CPU, 5 CAL) ROK - Multilang (CS,EN,FR,DE,IT,JA,KO,PL,RU,SP,TR)
	Windows® Server 2008 and Windows Server 2008 R2 (Client Access Licenses)
4849KCM	MS Windows Server 2008 CAL (5 user) – Multi-lingual
4849KDM	MS Windows Server 2008 CAL (5 device) – Multi-lingual
	Windows® SBS Standard 2011 ROK
4849MJY	Windows SBS Standard 2011 (1-4 CPU, 5 CAL) ROK - English
4849MJF	Windows SBS Standard 2011 (1-4 CPU, 5 CAL) ROK - French
	Windows® Small Business Server 2008 Standard & 2011
4849KCF	Windows Small Business Svr 2011 CAL Suite (1 User)
4849KDF	Windows Small Business Svr 2011 CAL Suite (1 Device)
4849KCG	Windows Small Business Svr 2011 Prem Add-On CAL Suite (1 User)
4849KDG	Windows Small Business Svr 2011 Prem Add-On CAL Suite (1 Device)
	Windows® SBS 2011 Premium Add-on English
4849MKY	Windows SBS 2011 Premium Add-on (1-4 CPU,5 CAL) ROK-English
4849MKF	Windows SBS 2011 Premium Add-on (1-4 CPU,5 CAL) ROK-French
	System Center Virtual Machine Manager 2008 R2 Workgroup Edition
4849MVW	MS Sys Ctr Virtual Machine Mgr 2008 R2 Workgroup Ed ROK - Multilang (Express Seller)-EMEA only
	NEW **Integration Suite for Microsoft System Center** ***NEW***
69Y3493	IBM Upward Integration for MSSC v3.0 without VMK
69Y3494	IBM Upward Integration for MSSC v3.0 with VMK
69Y3495	IBM Upward Integration for MSSC v3.0 with VMK Entry